

**WHAT IS CLAIMED IS:**

1. A method of protecting information transmitted in a data transmission system, the information transmitted exchange being pieces of data having a format comprising of one or more headers and a data zone, wherein said method comprises the step of:

inserting into at least one header, of at least one EPB marker segment compatible with a format of the data exchanged; and  
comprising redundancy data to detect and/or correct errors.

2. The method according to claim 1, wherein an EPB marker segment is positioned in a main header.

3. The method according to claim 1, wherein an EPB marker segment is positioned in a main header.

4. The method according to claim 1, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to the error correction code specified in the parameter of the EPB.

5. The method according to claim 1, comprising several segments EPBi positioned or not positioned one after the other and protecting the data positioned after the header or headers.

6. The method according to claim 1, wherein the data transmitted have different levels of sensitivity to error, the header comprising several segments EPBi, one segment EPBi comprising an error correction code that is chosen substantially as a function of these levels of sensitivity.

7. The method according to claim 1, wherein the data transmitted have different levels of sensitivity to errors, the header comprising several segments EPBi, the error correction code being the same for the data transmitted.

8. The method according to claim 1, wherein the data are JPEG 2000 images.

9. A system of data transmission, the data transmission format comprising at least one header and payload data, wherein said system comprises at least one transmitter adapted to insert, into at least one header, of at least one EPB marker segment compatible with a format of the data transmitted and comprising redundancy data to detect and/or correct errors.

10. The method of claim 3, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to the error correction code specified in the parameter of the EPB.

11. The system of claim 9, wherein an EPB marker segment is positioned in a main header.

12. The system of claim 9, wherein an EPB marker segment is positioned in a main header.

13. The system of claim 9, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to the error correction code specified in the parameter of the EPB.

14. The system of claim 12, wherein the EPB marker segment includes a part designed to protect the header by using a default code and another part corresponding to the error correction code specified in the parameter of the EPB.

15. The system of claim 9, comprising several segments EPBi positioned or not positioned one after the other and protecting the data positioned after the header or headers.

16. The system of claim 9, wherein the data transmitted have different levels of sensitivity to error, the header comprising several segments EPBi, one segment EPBi comprising an error correction code that is chosen substantially as a function of these levels of sensitivity.

17. The system of claim 9, wherein the data transmitted have different levels of sensitivity to errors, the header comprising several segments EPBi, the error correction code being the same for the data transmitted.

18. The system of claim 9, wherein the data are JPEG 2000 images.